IDC-757IR Pro-Level Indoor/Outdoor Night Vision Megapixel Network Dome Camera

720p HD, WDR, Day/Night, IP66, H.264, MPEG4, M-JPEG, 3GPP, PoE, MicroSD/SDHC

Part No.: 551397

The Intellinet IDC-757IR Pro-Level Indoor/Outdoor Night Vision Megapixel Network Dome Camera is designed for indoor day and night security surveillance and comes fully equipped with state-of-the-art features that set it apart from other network cameras on the market today.

Megapixel Resolution for Excellent Video Quality

The IDC-757IR Network Dome Camera is equipped with a 1-megapixel sensor that generates crystal-clear images up to 1280 x 720 pixels for much more detailed and realistic video. Thanks to progressive-scan image technology, the jagged lines caused by conventional interlacing image sensors (sometimes seen as a flickering effect on moving objects) have been all but eliminated.

Multi-Streaming: Simultaneous H.264 + MPEG4 + 3GPP + Motion-JPEG

The Intellinet IDC-757IR Network Dome Camera provides outstanding video quality while consuming less network bandwidth thanks to integrated H.264 video compression. The IDC-757IR Network Dome Camera also supports MPEG4 and Motion-JPEG video formats, as well as 3GPP mobile phone streaming for easy on-the-road connectivity with your compatible smartphone.

Surveillance 24 Hours a Day, Even in Complete Darkness

Equipped with 24 powerful IR LEDs, the IDC-757IR turns night into day. Thanks to its removable IR cut filter (ICR) and its IR-corrected varifocal megapixel lens, the camera sends true-color video during the day and crystal-clear black and white footage at night. The user can adjust the threshold and allow the camera to automatically switch between day and night mode, or use the camera's integrated internal scheduler. The camera also supports third-party IR illuminators (850 nm), allowing for surveillance of larger areas during nighttime hours.

Vandal-Proof Weather-Proof Dome Housing

Not only is the housing small and discreet, it can also take a beating. Thanks to heavy-duty aluminum and the use of tamper-proof screws, the Network Dome Camera is well-protected. Additionally, the IP66-rated weather resistant housing allows the installation of the camera in adverse conditions.

WDR Enhanced Video Surveillance

WDR stands for Wide Dynamic Range and allows the Intellinet network dome cameras to capture video in areas with high contrasting objects; e.g., extremely bright and extremely dark. In a normal camera, if an object in a darker area of the image frame is next to a bright area — for example, a person in a shadow is next to an area with bright sunlight — then the person in the shadow would be very dark to the point of becoming indistinguishable from the background. The human eye, by contrast, can handle these differences much better. With WDR, the dynamic range of the camera is greatly enhanced. As a result, you can now clearly see the person in the shadow while the rest of the frame is still correctly exposed, just as if if was seen through the human eye.

Power over Ethernet

The Intellinet IDC-757IR Megapixel Indoor/Outdoor Night-Vision Network Dome Camera supports the IEEE 802.3af standard, allowing it to be installed in locations where an AC power source is not readily available. Simply plug the camera into a PoE-compliant switch or injector and begin transmitting power as well as data over the Cat5e or Cat6 network cabling. The camera's low power usage of just 5.5 watts allows it to be operated with regular IEEE 802.3af compliant PoE injector.

Video Storage

The IDC-757IR is equipped with an internal MicroSD/SDHC memory card slot, allowing the camera to store videos and images even if a connection to the NVR is down. In addition, video can be submitted via e-mail, uploaded to an FTP server, or stored directly on a shared network drive (NAS Samba/CIFS/SMB share).

SSL Encryption

The Intellinet IDC-757IR Pro-Level Indoor/Outdoor Night Vision Megapixel Network Dome Camera offers a secure network connection via data encryption between the camera and the network client.

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Features:

- Progressive-Scan 1-megapixel CMOS image sensor for crystal-clear images
- Supports image resolutions up to 1280 x 720 (720p)
- True day & night function: Removable IR-cut filter (ICR) ensures true color representation during the day and impressive night-vision performance at night
- IP66-rated weather- and vandal-proof housing
- MicroSD/SDHC memory card slot for local storage
- Wide Dynamic Range (WDR) automatically adjusts to deliver high-quality video even in the most difficult lighting conditions
- Supports multiple simultaneous H.264, MPEG4, Motion-JPEG and 3GPP video streams
- Supports IEEE 802.3af Power over Ethernet injectors, mid- and endspans
- ONVIF 1.02 compliant
- 10x digital zoom
- 3-axis rotation for easy camera angle adjustment
- Excellent image quality with 30 fps full-motion video in all image resolutions
- For surveillance in low light or nighttime conditions, minimum 0 lux (complete darkness)
- 24 integrated infrared LEDs (850 nm) provide 20 m (65 ft.) effective range
- IR sensitive, supports external IR illuminators
- Equipped with an IR corrected DC-controlled auto-iris megapixel vari-focal lens
- Event-triggered FTP and e-mail upload of still images and videos
- Integrated motion detection with pre- and post-alarm image/video buffering
- Supports local network storage: Can write video clips directly to a network attached storage (NAS) drive
- NAS storage supports cyclic recording, automatically overwriting older files once the allocated storage space is exceeded
- Supports SMB/CIFS (Windows) and NFS (Linux) network file systems
- Mobile phone streaming live video through 3GPP / ISMA / RTSP
- Supports privacy zone and text overlay functionality
- Supports HTTPS encryption and IP filter for enhanced security
- Supports UPnP with UPnP port forwarding capability
- Integrated e-mail, FTP, DDNS and DHCP client
- Easy-to-use 16-channel camera viewing and recording utility included (not compatible with NSC10/11 and NSC18 cameras)
- Analog video output through RCA connector
- Three-Year Warranty

Specifications:

Standards
» IEEE 802.3 (10Base-T Ethernet)
» IEEE 802.3u (100Base-TX Fast Ethernet)
» IEEE 802.3af (Power over Ethernet 802.3at Type 1)

General
» FA626TE ARM9 V5TE CPU
» 16 MByte flash memory
» 128 MByte SDRAM
» Supported image resolutions: 1280 x 720 (720p HDTV) , 640 x 480 (VGA), 320 x 240 (QVGA) and 160 x 120
» Supported video compression formats:
- Motion-JPEG
- MPEG4 Part2 (ISO/IEC 14496-2), Profile: SP
- H.264-BP
- 3GPP
» Uni- and Multicast
» 1 x alarm input
» 1 x alarm output
» Protocols supported: TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP / ISMA / RTSP, Bonjour, ONVIF 1.02
» Certifications: FCC Class B, RoHS, CE

Connectors
» LAN connector: RJ45 port to connect to 10/100 Mbps Ethernet
» DC power jack

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» Terminal block for 1 alarm input and 1 output
» 1 x analog video out RCA connector
» MicroSD/SDHC memory card slot
» Hardware reset button

Image Sensor
» 1/4" Micron Progressive Scan CMOS sensor
» 1.0 megapixel resolution (1,280 H x 720 V)
» S/N ratio: 39 dB (max.)
» Pixel size: 2.8 µm x 2.8 µm
» Manual brightness, contrast, saturation, sharpness, exposure
» Shutter: 1/2 - 1/10000 sec.

Lens
» Varifocal megapixel lens
» DC-controlled auto-iris
» Focal length 2.7 mm - 9 mm
» Angle of view:
- 29.1° - 60.1° vertical
- 25.0° - 81.0° horizontal
- 18.4° - 96.5° diagonal
» Maximum relative aperture: F1.2

IR Night-Mode
» LEDs: 24
» Wavelength: 850 nm
» Range: 20 m (65 ft.) max.
» Seamless IR level control (100 levels)
» Independent control for spot and wide IR lighting
» Mechanical removable IR cut filter modes:
- always on, always off
- auto (based on light level, based on schedule)
» IR modes:
- always on, always off
- auto (based on light level, based on schedule)

Users and Security
» 10 user accounts
» 3 different access levels: administrator, operator and viewer
» Password-protected access to the video streams, or access without password
» HTTPS (SSL v3)
» IP address filter: Allow or Deny
» 10 simultaneous connections

Power
» External power adapter: 12 V DC, 1.0 A
» Power consumption: 5.5 watts (maximum)
» Built-in IEEE 802.3af PoE (Power over Ethernet)

LEDs
» Power
» Network connection
» Camera operation

Environmental
» Housing: Aluminum
» Ingress protection rating: IP66
» Dimensions: 115 (H) x 144 (W) mm (4.5 x 5.7 in.)
» Weight: 1.5 kg (3.3 lbs.)
» Operating temperature: -10 – 50°C (14 – 122°F)
» Operating humidity: 20 – 90% RH, non-condensing

System Requirements
» Pentium 4 2.8 GHz (or equivalent AMD)
» 256 MB RAM video card
» 1 GB RAM
» Windows XP, Vista, Windows 7/8
» Computer with network connection
» Web browser support:
- MS Internet Explorer 8.0 or higher
- Mozilla Firefox 15, Google Chrome
- Safari

Package Contents
» IDC-757IR Pro-Level Indoor/Outdoor Night Vision Megapixel Network Dome Camera
» Quick installation guide
» User manual
» Hardware installation guide
» External power adapter
» Mounting hardware
» Software CD

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